

B A, B SC, B COM DEGREE END SEMESTER EXAMINATION - NOVEMBER 2025**UGP (HONS.) SEMESTER - 1: MULTI DISCIPLINARY COURSE****COURSE: 24UCAPMDC101: COMPUTER HARDWARE AND ASSEMBLING***(For Regular 2025 and Improvement/Supplementary 2024 Admission)*

Time: 1 Hour

Max. Marks :35

PART A***Answer any 5 questions. Each question carries 2 marks.***

1. Identify the key features of mainframe computers. (R, CO1)
2. Illustrate the basic operations of a computer system. (U, CO1)
3. Recall the main external hardware components of a computer. (R, CO2)
4. Differentiate between the different types of USB connectors. (An, CO3)
5. Describe the functionality of CMOS battery on the motherboard. (U, CO3)
6. A supermarket uses barcode reader to scan their products. What kind of printer is most suitable for printing these bar codes? Why? (A, CO4)
7. State the advantage of LED over LCD in computer monitors? (R, CO4)

(2 x 5 = 10)**PART B*****Answer any 3 questions. Each question carries 5 marks.***

8. Illustrate the different types of computers and their applications. (U, CO1)
9. Discuss the role of the power transformer and control circuit in an SMPS system. (An, CO2)
10. Explain the main display connectors used in computers. (U, CO3)
11. Analyze the features of Blu-Ray optical disk. (An, CO3)
12. Evaluate the different types of printers used in computers. (E, CO4)

(5 x 3 = 15)**PART C*****Answer any 1 question. Each question carries 10 marks.***

13. Examine the working of a DC regulated power supply with the help of a diagram. (An, CO2)
14. Explain how data is stored on a hard disk drive using clear and concise diagrams. (An, CO3)

(10 x 1 = 10)

OBE: Questions to Course Outcome Mapping

CO	Course Outcome Description	CL	Questions	Total Marks
CO1	To Learn the basics of computer generations and hardware components.	U	1,2,8	9
CO2	Demonstrate basic working principles of computer hardware components.	U	3,9,13	17
CO3	Perform PC assembling and installation and basic memory Concepts .	An	4,5,10,11,14	24
CO4	Illustrate the concept of input and output devices of Computers.	E	6,7,12	9

Cognitive Level (CL): Cr - CREATE; E - EVALUATE; An - ANALYZE; A - APPLY; U - UNDERSTAND; R -REMEMBER;
